



NOTES:

1. DIMENSIONS:

- WIDTH OF PLANTER 18" MINIMUM.
- PONDING DEPTH (FROM TOP OF GROWING MEDIUM TO OVERFLOW ELEVATION):
SIMPLIFIED: 4"
ENGINEERED: 12" MAXIMUM.
- SLOPE OF PLANTER: 0.5% OR LESS.

2. OVERFLOW:

- OVERFLOW REQUIRED PER STANDARD DETAIL NDP-8.
- INLET ELEVATION MUST ALLOW FOR 2" MIN. OF FREEBOARD, 4" MIN. FOR SIMPLIFIED.
- PROTECT FROM DEBRIS AND SEDIMENT WITH STRAINER OR GRATE, SEE D6-04 MATERIALS.

3. PIPING: SHALL BE CAST IRON, PVC SDR 35 MINIMUM, OR PVC SCHEDULE 40. 3" PIPE REQUIRED FOR UP TO 1,500 SQ FT OF CONTRIBUTING AREA, OTHERWISE 4" MIN. PIPING MUST HAVE 1% GRADE AND FOLLOW THE UNIFORM PLUMBING CODE IF WITHIN 3' OF A STRUCTURE.

4. DRAIN ROCK:

- SIZE PER NDP MATERIALS, CHAPTER D6-04.
- DEPTH OF SIMPLIFIED: 12".
- DEPTH OF ENGINEERED: 12"-48".

5. SEPARATION BETWEEN DRAIN ROCK AND GROWING MEDIUM: USE GRAVEL LENS (3/4 - 1/4 INCH WASHED, CRUSHED ROCK 2 TO 3 INCHES DEEP).

6. GROWING MEDIUM: BIORETENTION SOIL MIX PER NDP MATERIALS, CHAPTER D6-04.

7. VEGETATION:

- PLANT WITH ZONE 1 OR 2 TREES, SHRUBS, AND/OR GROUND COVER. SEE APPENDIX 3 IN THE **LID TECHNICAL GUIDANCE MANUAL FOR PUGET SOUND** (2005 OR CURRENT) OR **"RAIN GARDEN HANDBOOK FOR HOMEOWNERS"** FOR A PLANT LIST.
- PLANTING SHALL CONSIST OF NATIVE SPECIES ABLE TO TOLERATE VARIABLE SOIL MOISTURE CONDITIONS, PONDING WATER FLUCTUATIONS AND VARIABLE SOIL MOISTURE CONTENT.

8. PLANTER WALLS:

- MATERIAL SHALL BE STONE, BRICK, CONCRETE, WOOD, OR OTHER DURABLE (NO CHEMICALLY TREATED WOOD).
- CONCRETE, BRICK, OR STONE WALLS SHALL BE INCLUDED ON FOUNDATION PLANS.

9. WATERPROOF LINER: SHALL BE 30 MIL PVC OR EQUIVALENT.

10. INSTALL WASHED PEA GRAVEL OR 1"-4" STREAMBED COBBLES PER STANDARD SPECIFICATIONS 9-03.11(2) TO TRANSITION FROM INLET OR SPLASH PAD TO GROWING MEDIUM.



City of
Bellevue

STORM AND SURFACE
WATER UTILITY

TITLE

BIORETENTION PLANTER -
FLOW-THROUGH

JANUARY 2012

NO SCALE

NO. NDP-4